

**What Is Claimed is:**

1. In a cable including an outer metallic sheath, at least one metallic conductor therein, and  
mineral insulation disposed between the outer sheath and the metallic conductor; the  
5 improvement wherein the mineral insulation comprises kaolin.

2. The improvement according to claim 1, wherein the insulation comprises between 3% and  
10 20% by dry weight of kaolin.

3. The improvement according to claim 1, wherein the insulation comprises between 3 % and  
15 15% by dry weight of kaolin.

4. The improvement according to claim 1, wherein the insulation comprises between 5 % and  
20 10% by dry weight of kaolin.

15 5. The improvement according to claim 1, wherein the insulation includes MgO.

6. The improvement according to claim 5, wherein the insulation comprises between 3% and  
20 20% by dry weight of kaolin.

7. The improvement according to claim 5, wherein the insulation comprises between 3 % and 15% by dry weight of kaolin.

8. The improvement according to claim 5, wherein the insulation comprises between 5 % and 5 10% by dry weight of kaolin.

9. A process of making a cable, comprising:

10 15 providing an outer metallic sheath;

disposing at least one metallic conductor in the metallic sheath;

filling the metallic sheath with mineral insulation including kaolin; and

drawing down the metallic sheath.

10. The process according to claim 9, wherein the insulation comprises between 3% and 20% by dry weight of kaolin.

15 11. The improvement according to claim 9, wherein the insulation comprises between 3 % and 15% by dry weight of kaolin.

12. The improvement according to claim 9, wherein the insulation comprises between 5 % and 20 20 10% by dry weight of kaolin.

13. The process according to claim 9, wherein the insulation includes MgO.

14. The process according to claim 13, wherein the insulation comprises between 3% and 20%

by dry weight of kaolin.

15. The improvement according to claim 13, wherein the insulation comprises between 3 % and 15% by dry weight of kaolin.

16. The improvement according to claim 13, wherein the insulation comprises between 5 % and 10% by dry weight of kaolin.